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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,840	11/28/2001	Jang Geun Oh	P-0284	2579

34610 7590 06/19/2003

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EXAMINER

DESTA, ELIAS

ART UNIT PAPER NUMBER

2857

DATE MAILED: 06/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Election/Restriction

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-14 are drawn to power saving method of a portable appliance, classified 702/57.
- II. Claims 15-18 are drawn to power saving apparatus in an appliance class/subclass: 318/139.

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the two inventions can have distinct industrial applicability. The subcombination has separate utility such as:

Group I: claims 1-14 are directed to inputting power management data, outputting control commands, and executing power control functions in a portable device applications; these features can be practiced in areas where energy saving is required, for instance laptop computer with staged screen saving and power shut off modes.

Group II: 15-18 are directed to AC/DC converter, DC/DC converter, Micro-controller with user power management data entry and a plurality of switches, which are widely used in an air-conditioning system, computer servers and power management in gas/electric hybrid engine units.

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Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

A telephone call was made to Mr. Daniel Y.J Kim on June 4, 2003 to request an oral election to the above restriction requirement, but did not result in an election being made.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elias Desta whose telephone number is (703)-305-3840. The examiner can normally be reached on M-Thu (8:00-6:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc S Hoff can be reached on (703)-308-1677. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-308-5841 for regular communications and (703)-308-5841 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-1782.

Elias Desta
Examiner
Art Unit 2857

-ed

June 5, 2003

